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APPLICATION NO.	F	ILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/661,683	10/661,683 09/15/2003		Kyota Miyazaki	03500.015750.1	7357	
5514	7590	09/10/2004		EXAMINER		
		LLA HARPER &	GORDON, RAQUEL YVETTE			
	30 ROCKEFELLER PLAZA NEW YORK, NY 10112				PAPER NUMBER	
112 W 101112				2952		

DATE MAILED: 09/10/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

8	

		Application No.	Applicant(s)					
Office Action Summer		10/661,683	MIYAZAKI ET AL.					
	Office Action Summary	Examiner	Art Unit					
		Raquel Y. Gordon	2853					
 Period for	The MAILING DATE of this communicati Reply	on appears on the cover sheet w	ith the correspondence address					
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).								
Status								
1)⊠ I	Responsive to communication(s) filed or	n <u>15 September 2003</u> .						
2a)[☐ ⁻	This action is FINAL. 2b)⊠ This action is non-final.							
•	Since this application is in condition for a	*	·	;				
(closed in accordance with the practice u	inder <i>Ex parte Quayle</i> , 1935 C.I	D. 11, 453 O.G. 213.					
Dispositio	on of Claims							
4) 🛛 (Claim(s) <u>1-7</u> is/are pending in the applic	ation.						
	a) Of the above claim(s) is/are w	rithdrawn from consideration.						
·	Claim(s) is/are allowed.							
•	Claim(s) <u>1-7</u> is/are rejected.							
·	Claim(s) is/are objected to. Claim(s) are subject to restriction	and/or election requirement						
о) <u> </u>	Siann(s) are subject to restriction	and/or election requirement.						
Application	on Papers							
•	he specification is objected to by the Ex							
•	10)⊠ The drawing(s) filed on <u>15 Se<i>ptember</i> 2003</u> is/are: a)⊠ accepted or b)⊡ objected to by the Examiner.							
	Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).							
	Replacement drawing sheet(s) including the he oath or declaration is objected to by	·		1).				
Priority u	nder 35 U.S.C. § 119							
 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) ☒ All b) ☐ Some * c) ☐ None of: 1.☐ Certified copies of the priority documents have been received. 2.☒ Certified copies of the priority documents have been received in Application No. 09/942589. 3.☐ Copies of the certified copies of the priority documents have been received in this National Stage 								
	application from the International	* **						
* S	ee the attached detailed Office action fo	r a list of the certified copies no	received.					
Attachment(s)							
1) Notice	of References Cited (PTO-892)		Summary (PTO-413)					
2) Notice 3) Inform	of Draftsperson's Patent Drawing Review (PTO-sation Disclosure Statement(s) (PTO-1449 or PTO No(s)/Mail Date 9/15/2003	948) Paper No	(s)/Mail Date Informal Patent Application (PTO-152)					

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-7 are rejected under 35 U.S.C. 102(b) as being anticipated by Ito et al. (US 2004/0165028 A1). Ito et al. teach every element of the instant invention including:

1. An ink jet recording head comprising:

a recording element base plate (14) provided with a plurality of recording elements (20) for discharging recording liquid (¶ 0086), and a plurality of supply ports (12b, 12a, 19b, 19a, 18, and 17) arranged on a face opposite to a surface having said recording elements thereon for supplying the recording liquid to said recording elements (¶ 0064);

at least one recording element unit (20) having a portion for incorporating said recording element base plate and a wiring base plate (23, 30, and 31) to apply electric pulses to said recording element base plate for discharging the recording liquid when connected with said recording element base plate (see fig 16, and ¶ 0083); and

a supporting member (10) for holding and fixing said recording element base plate,

wherein said supporting member (10) is provided with a plurality of supply flow paths (12b, 12a, 19b, 18, 19a, 17) for supplying the recording liquid to said supply ports

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of said recording element base plate (14), respectively, and a width of each of said supply flow paths is formed so as to be smaller than an opening width of an inlet portion of each of said supply ports (see also ¶ 0064);

- 2. An ink jet recording head according to Claim 1, wherein each of said supply ports of said recording element base plate is formed in a tapered fashion so as to make a width thereof decrease gradually from the inlet portion thereof to an outlet portion thereof (See fig 14. For example, the width of element 18 is less than the width of element 12b in the direction of the supply of ink. See also, ¶ 0064);
- An ink jet recording head according to Claim 1, wherein said recording element base plate and said supporting member are bonded together by use of a bonding agent (¶ 0104);
- 4. An ink jet recording head according to Claim 3, wherein steps formed between respective ones of said supply flow paths and said supply ports are covered by said the bonding agent (¶ 0104);
- 5. An inkjet recording head according to Claim 3, wherein said the bonding agent has a property of being hardened by irradiation of ultraviolet rays and a property of being hardened by heating (¶ 0104);

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6. An ink jet recording head according to Claim 5, wherein a discharge port plate arranged to face said recording element base plate for discharging the recording liquid is formed by from a transparent material (¶ 0084-0086);

7. An ink jet recording head according to Claim 1, further comprising a supporting plate (21a-21g, 22) arranged between said wiring base plate (23) and said supporting member (10) to hold and fix said wiring base plate (¶ 0065).

Contact Information

Any inquiry concerning this communication or earlier communications from the Examiner should be directed to Raquel Y. Gordon, whose telephone number is (571) 272-2145. The Examiner can normally be reached on M Tu Th and F 8:30-6:00.

If attempts to reach the examiner by telephone are unsuccessful, the Examiner's supervisor, Stephen Meier can be reached on (571) 272-2149. A fax number is available upon request.

Any inquiry of a general nature or relating to the status of this application or proceeding may be directed to the Examiner or Supervisor.

Raguel Y. Gordon
Primary Examiner
Art Unit 2853

September 6, 2004